

Claims

1. A screening method for compounds or salts thereof that change the binding property between CD100 or salts thereof and CD72 or salts thereof characterized by using CD100 or salts thereof and CD72 or salts thereof.
2. A screening kit for compounds or salts thereof that change the binding property between CD100 or salts thereof and CD72 or salts thereof characterized by using CD100 or salts thereof and CD72 or salts thereof.
3. Compounds or salts thereof that change the binding property between CD100 or salts thereof and CD72 or salts thereof obtained by using the screening method of Claim 1 or the screening kit of Claim 2.
4. The compounds or salts thereof of Claim 3 that promote or inhibit the activity of CD100 or salts thereof.
5. Pharmaceuticals that contain the compounds or salts thereof of Claim 3.
6. The pharmaceuticals of Claim 5 that are antibody production inducers or, agents for prevention or treatment of diseases caused by abnormal antibody production.
7. The pharmaceuticals of Claim 6 wherein the disease caused by abnormal antibody production is an allergy or autoimmune disease.
8. The screening method of Claim 1 characterized by adding CD100 or salt thereof, or CD100 or salt thereof and test compound to cells expressing CD72 and measuring changes in the antibody level produced or secreted by the expressing cells.
9. Nonhuman animals with loss of T cell reactivity and knockout of the CD100 gene.
10. A screening method for preventives or remedies for diseases caused by CD100 deficiency characterized by using nonhuman animals with a knockout CD100 gene.
11. A screening method for compounds or salts thereof that change the binding property between CD100 or salts thereof and receptors thereof characterized by using nonhuman animals with a knockout CD100 gene.

12. The screening method of Claim 11 wherein the receptor is CD72 or salt thereof.

13. Transgenic nonhuman animals with enhanced T cell reactivity characterized by having DNA that incorporates an exogenous CD100 gene or mutated gene thereof.

14. A screening method for preventives or remedies for diseases caused by enhancement of CD100 characterized by using transgenic nonhuman animals that have DNA that incorporates an exogenous CD100 gene or mutated gene thereof or progeny thereof that possess said DNA.

15. A screening method for compounds or salts thereof that change the binding property between CD100 or salts thereof and receptors thereof characterized by using transgenic nonhuman animals with DNA that incorporates an exogenous CD100 gene or mutated gene thereof or progeny thereof that possess said DNA.

16. The screening method of Claim 15 wherein the receptor is CD72 or salt thereof.